

AMENDMENTS TO THE CLAIMS

Claim 1 (original): An imaging system comprising:

an imaging device assembled on a carrier; and

a first outwardly expandable element and a second outwardly expandable element mounted on said carrier, wherein said second expandable element is expandable both radially and axially, said imaging system comprising a mode of operation, wherein during expansion of said second expandable element, obstruction of the radial expansion of said second expandable element causes the axial expansion of said second expandable element to propel said carrier and said imaging device axially.

Claim 2 (original): The imaging system according to claim 1, wherein said first expandable element is fixed axially to said carrier, and said second expandable element is slidable axially relative to said carrier.

Claim 3 (original): The imaging system according to claim 1, wherein said carrier is formed with first and second apertures in fluid communication with said first and second expandable elements, respectively.

Claim 4 (original): The imaging system according to claim 3, further comprising a first supply tube disposed in said carrier in fluid communication with said first aperture, and a second supply tube disposed in said carrier in fluid communication with said second aperture.

Claim 5 (original): The imaging system according to claim 1, wherein said first and second expandable elements are expandable to different shapes.

Claim 6 (original): The imaging system according to claim 1, wherein said first expandable element is expandable substantially radially with negligible axial expansion.

Claim 7 (original): The imaging system according to claim 1, wherein said second expandable element is expandable generally spherically.

Claim 8 (original): The imaging system according to claim 1, wherein said imaging device is mounted at a distal end of said carrier, distally of said first and second expandable elements.

Claim 9 (original): The imaging system according to claim 1, further comprising a light source disposed in said carrier.

Claim 10 (original): The imaging system according to claim 1, further comprising a suction tube disposed in said carrier.

Claim 11 (original): The imaging system according to claim 1, further comprising a tool lumen disposed in said carrier.

Claim 12 (original): The imaging system according to claim 1, further comprising control wires disposed in said carrier.

Claim 13 (original): The imaging system according to claim 1, further comprising a guide member disposed at a proximal end of said carrier.

Claim 14 (original): The imaging system according to claim 1, further comprising a linear encoder disposed on said carrier, and a decoder operative to sense linear movement of said carrier with respect to said linear encoder.

Claim 15 (original): An imaging system comprising:

- a carrier comprising a fluid passageway;

- an expandable element mounted on a distal portion of said carrier and in fluid communication with said fluid passageway, said expandable element comprising a flexible sleeve, wherein in a first orientation, said flexible sleeve is folded into itself, and in a second orientation fluid at least partially fills said flexible sleeve and at least partially unfolds said flexible sleeve, so as to extend said expandable element distally outwards from said carrier; and

- an imaging device disposed in said expandable element.

Claim 16 (original): An imaging system comprising:

- a carrier comprising a fluid passageway;

- a jet-action head mounted on a distal end of said carrier, said jet-action head being formed with fluid jet outlets facing a proximal end of said carrier, which are in fluid communication with said fluid passageway; and

- an imaging device disposed in said jet-action head, wherein fluid expelled from said fluid jet outlets propels said imaging system.

Claim 17 (original): The imaging system according to claim 16, wherein said jet-action head is expandable and contractible.

Claim 18 (original): An imaging system comprising:

a carrier;

at least one traction member comprising a loop extending from said carrier; and

an actuator in operative communication with said at least one traction member, said actuator moving said loop relative to said carrier.

Claim 19 (original): The imaging system according to claim 18, wherein said loop has a helical shape that at least partially corkscrews around a periphery of said carrier.

Claim 20 (original): The imaging system according to claim 18, wherein said loop protrudes from a side of said carrier and extends towards a proximal end of said carrier.

Claim 21 (original): The imaging system according to claim 18, wherein said loop protrudes from a side of said carrier and extends towards a distal end of said carrier.

Claim 22 (original): The imaging system according to claim 18, wherein said loop is expandable and contractible.

Claim 23 (original): The imaging system according to claim 18, further comprising an imaging device disposed in said carrier.

Claim 24 (original): An imaging system comprising:

a carrier;

a percussion device mounted on a distal portion of said carrier; and

an imaging device mounted on the distal portion of said carrier.

Claim 25 (original): The imaging system according to claim 24, wherein said carrier comprises a guide member for a catheter-like procedure.

Claim 26 (currently amended): The imaging system according to ~~any of the preceding claims~~ claim 24, further comprising a magnet adapted to be attached to an object in a gastrointestinal tract.

Claim 27 (new): The imaging system according to claim 1, further comprising a magnet adapted to be attached to an object in a gastrointestinal tract.

Claim 28 (new): The imaging system according to claim 15, further comprising a magnet adapted to be attached to an object in a gastrointestinal tract.

Claim 29 (new): The imaging system according to claim 16, further comprising a magnet adapted to be attached to an object in a gastrointestinal tract.

Claim 30 (new): The imaging system according to claim 18, further comprising a magnet adapted to be attached to an object in a gastrointestinal tract.

Claim 31 (new): The imaging system according to claim 1, wherein said carrier comprises a guide member for a catheter-like procedure.

Claim 32 (new): The imaging system according to claim 15, wherein said carrier comprises a guide member for a catheter-like procedure.

Claim 33 (new): The imaging system according to claim 16, wherein said carrier comprises a guide member for a catheter-like procedure.

Claim 34 (new): The imaging system according to claim 18, wherein said carrier comprises a guide member for a catheter-like procedure.

Claim 35 (new): The imaging system according to claim 1, wherein said carrier comprises a guide member for a catheter procedure.

Claim 36 (new): The imaging system according to claim 15, wherein said carrier comprises a guide member for a catheter procedure.

Claim 37 (new): The imaging system according to claim 16, wherein said carrier comprises a guide member for a catheter procedure.

Claim 38 (new): The imaging system according to claim 18, wherein said carrier comprises a guide member for a catheter procedure.

Claim 39 (new): The imaging system according to claim 24, wherein said carrier comprises a guide member for a catheter procedure.

Claim 40 (new): Apparatus for introduction into a gastrointestinal (GI) tract of a subject, comprising:

a guide member; and

an instrument adapted to be introduced into the GI tract over the guide member.

Claim 41 (new): The apparatus according to claim 40, wherein the instrument comprises a tool selected from the list consisting of: a camera, a torus-shaped camera,

an imaging device, an x-ray imaging device, an illumination device, a biopsy collecting tool, an optical device, and a fluid device.